

JC893 U.S. PTO  
01/03/0201-0702  
APlease type a plus sign (+) inside this box → 

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 728-221 (Y0R9-2001-0603 US1)

First Inventor LOUIS L. HSU

Title HYBRID SUBSTRATE AND METHOD FOR

Express Mail Label No. EL 913582613 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 10]  
(preferred arrangement set forth below)
 

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 2 ]

5. Oath or Declaration [ Total Pages 6 ]

a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)

16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: Associate Power of Attorney

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No. /

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

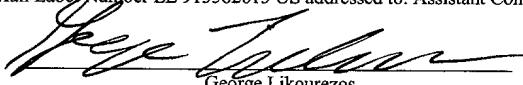
|  |   |           |                |   |
|--|---|-----------|----------------|---|
| <input type="checkbox"/> Customer Number or Bar Code Label | (Insert Customer No. or Attach bar code label here) |           |                | or <input checked="" type="checkbox"/> Correspondence address below |
| Name   | Paul J. Farrell, Esq.                               |           |                |   |
| Address  | DILWORTH & BARRESE, LLP<br>333 Earle Ovington Blvd. |           |                |   |
| City   | Uniondale   | State     | New York       | Zip Code  |
| Country  | U.S.A   | Telephone | (516) 228-8484 | Fax   |

|                   |   |                                   |             |
|-------------------|---|-----------------------------------|-------------|
| Name (Print/Type) | Paul J. Farrell, Esq.   | Registration No. (Attorney/Agent) | 33,494      |
| Signature         |  |                                   | Date 1/3/02 |

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL 913582613 US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Dated: 1/3/02



George Likourezos

10/03/02  
51488172  
10/03/02



PATENT

Atty. Docket No. 728-221 (YOR9-2001-0603 US1)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

UTILITY APPLICATION DATA SHEET UNDER 37 C.F.R. § 1.76

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s) : LOUIS L. HSU and LI-KONG WANG

For: HYBRID SUBSTRATE AND METHOD FOR FABRICATING  
THE SAME

Enclosed are:

- 10 page(s) of specification  
(including **claims** and **abstract**)
- 2 sheets of drawings  formal  informal
- 6 page(s) of Declaration and Power of Attorney
- 4 page(s) An Assignment of the invention  
(including **Recordation Form Cover Sheet**)
- 1 page(s) Associate Power of Attorney

Assignee Name: INTERNATIONAL BUSINESS MACHINES CORPORATION

Assignee Residence: Armonk, New York

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date January 3, 2002 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL 913582613 US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

George Likourezos  
(Type or print name of person mailing paper)

  
(Signature of person mailing paper)

[ ] This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s) .:

APPLICATION NO(S) .:

FILING DATE

\_\_\_\_/\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_/\_\_\_\_\_

\_\_\_\_\_

[ ] Certified copy of applications

Country

Appln. No.

Filed

from which priority under Title 35 United States Code, § 119

is claimed

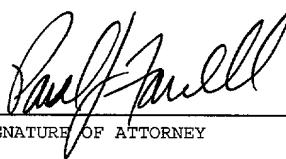
[ ] is enclosed.

[ ] will follow.

**[X]** Address all future correspondence to:

Paul J. Farrell, Esq.  
DILWORTH & BARRESE LLP  
333 Earle Ovington Boulevard  
Uniondale, New York 11553  
(516) 228-8484

Date: January 3, 2002



SIGNATURE OF ATTORNEY

Paul J. Farrell

Reg. No. 33,494

DILWORTH & BARRESE LLP  
333 Earle Ovington Blvd.  
Uniondale, NY 11553  
Tel. No. (516) 228-8484  
Fax (516) 228-8516

Washington, D.C. 20231

Sir: Date: January 3, 2002  
Express Mail Label: EL 913582613 US  
Date of Deposit: January 3, 2002

Transmitted herewith for filing is the Patent Application of:

Inventors: LOUIS L. HSU and LI-KONG WANGFor: HYBRID SUBSTRATE AND METHOD FOR FABRICATING THE SAMEEnclosed are:  6 sheets of specification;  1 sheet(s) of Abstract;  3 sheet(s) of claims;  2 sheet(s) of drawing(s);

An assignment of the invention to International Business Machines Corporation with Recordation Form.

Declaration and Power of Attorney.

A certified copy of a \_\_\_\_\_ application, from which priority under Title 35 USC §119 is claimed.

Associate Power of Attorney.

The filing fee has been calculated as shown below:

| (Col. 1)                                   | (Col. 2)         |
|--|------------------|
| FOR:                                       | NO. FILED        |
| <u>BASIC FEE</u>                           |                  |
| <u>TOTAL CLAIMS</u>                        | <u>18 - 20 =</u> |
| <u>INDEP CLAIMS</u>                        | <u>2 - 3 =</u>   |
| <u>MULTIPLE DEPENDENT CLAIMS PRESENTED</u> |                  |

If the difference in Col. 1 is less than zero, enter "0" in Col. 2.

| OTHER THAN A SMALL ENTITY |           |
|---------------------------|-----------|
| RATE                      | FEES      |
|                           | \$ 740.00 |
| X \$18 =                  | 00.00     |
| X \$84 =                  | 00.00     |
| + 280 =                   |           |
| TOTAL                     | \$ 740.00 |

A check in the amount of \$ \_\_\_\_\_ to cover the  filing fee(s) and a check to cover the  recording fee are enclosed.

Please charge my Deposit Account No. 50-0510 in the amount of \$780.00.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0510/IBM (Yorktown Heights). A duplicate copy of this sheet is enclosed.

Any additional filing fees required under 37 CFR 1.16.

Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By:

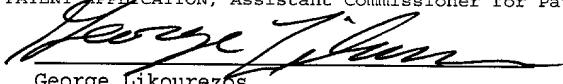
  
 Paul J. Farrell, Esq.  
 Registration No. 40,067

Please address all correspondence to:

 DILWORTH & BARRESE, LLP  
 333 Earle Ovington Boulevard  
 Uniondale, NY 11553  
 Tel: (516) 228-8484  
 Fax: (516) 228-8516

 Attorney for:  
 IBM Corporation  
 Intellectual Property Law Dept.  
 P.O. Box 218  
 Yorktown Heights, NY 10598
CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date January 3, 2002 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL 913582613 US addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

  
 George Likourezos